

## **Abstract of the Disclosure**

**A machine and process for air filtration that is self cleaning with multiple steps comprising: a filter with a motor driven belt or disk or counter rotating disks that are perforated, a spray bar, a recirculation pump and supply line, a wet tank, a ultrasonic transducer, ultraviolet submersible bulbs , a water fill port, a liquid level sensor, a liquid and sediment drain port, and a power source. A preferred embodiment includes the step(s) of a air diffuser, a toxic and noxious gas detection and recognition and radiation detection with automatic safety shut down and audible and visual alarm, a ultraviolet saturation chamber A preferred embodiment includes a secondary wet filter, a secondary air diffuser, a secondary ultra violet saturation chamber. A preferred embodiment includes a inline dryer assembly.**